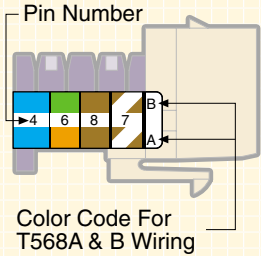
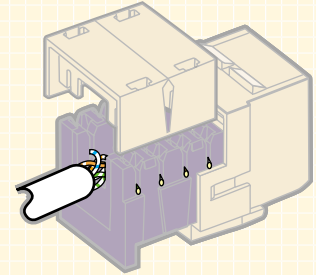
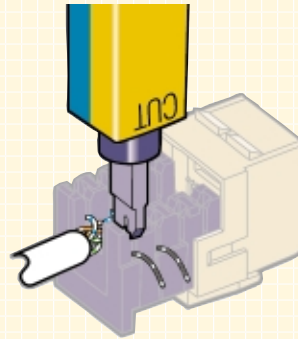
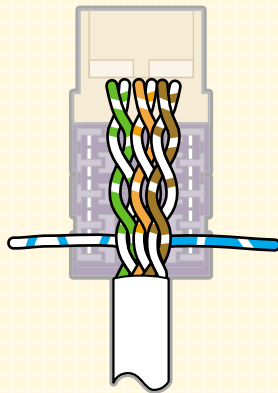


# CATEGORY 5 AND GIGAMAX 5E CHANNEL CONNECTOR TERMINATION

1. Remove a few inches of jacket from the cable, to expose the wires.
2. Determine which wiring scheme to use, T568A or T568B. Note the associated color codes and connector pin numbers on the label located on the sides of the connector.
3. Route the wires for termination, according to the chosen color code. **Terminate and trim one pair at a time, starting from the rear of the connector, in the order shown. Terminating each pair after placement will prevent crushing the inside pairs with the punchdown tool.**
4. Using a 110 style impact tool, seat the wires into the slots of the insulation displacement connectors. Place the cutting side of the tool on the outside, to trim the excess wire flush with the connector body as you punch the wires down.
5. Place the dust cap over the terminated wires to ensure a secure connection and added strain relief.



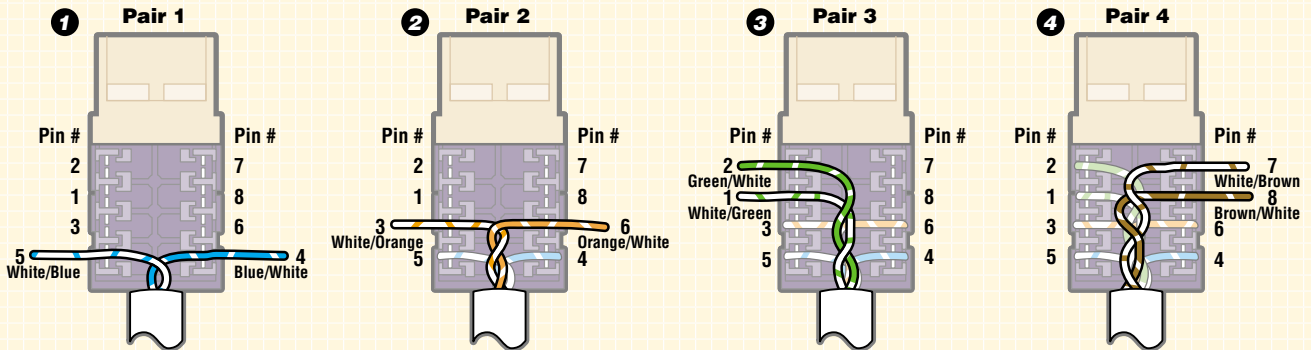
**Note:** Maintain cable jacket as close to termination as possible



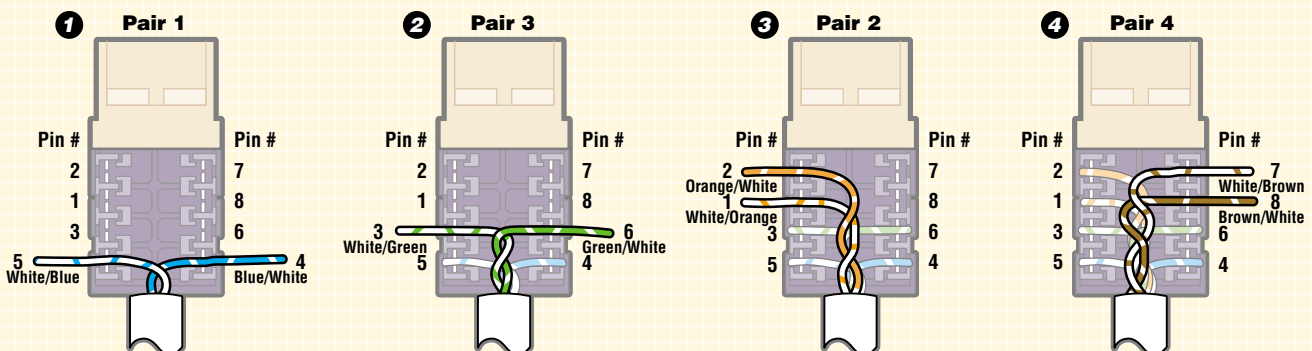
6. Noting the 'UP' orientation of the connector, insert the terminated connector into the desired QuickPort housing.

| Inside Wire Colors |              |              |
|--------------------|--------------|--------------|
| Wiring Standard    |              |              |
| Pin#               | T568A        | T568B        |
| 1                  | White/Green  | White/Orange |
| 2                  | Green/White  | Orange/White |
| 3                  | White/Orange | White/Green  |
| 4                  | Blue/White   | Blue/White   |
| 5                  | White/Blue   | White/Blue   |
| 6                  | Orange/White | Green/White  |
| 7                  | White/Brown  | White/Brown  |
| 8                  | Brown/White  | Brown/White  |

## T568A Category 5 and GigaMax 5e Channel Level Connector Wiring Scheme

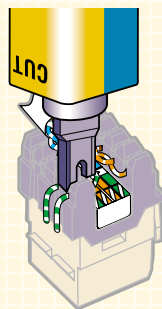
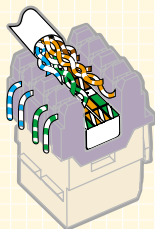
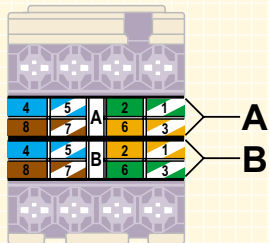


## T568B Category 5 and GigaMax 5e Channel Level Connector Wiring Scheme



# EXTREME 6 CONNECTOR TERMINATION INSTRUCTIONS

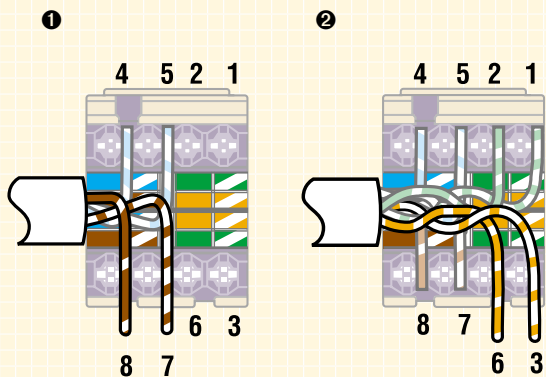
1. Remove about 2" of jacket from cable, to expose the wires.
2. Determine which wiring scheme to use, T568A or T568B. Note the associated color codes and connector pin numbers on the label located between the IDC connector slots.
3. Route the wires for termination, according to the chosen wiring scheme. **Terminate and trim one pair at a time, starting from the side of cable entry. Terminating each pair after placement will prevent crushing the inside pairs with the punchdown tool. Lay cable in so jacket touches edge of connector as shown.**
4. Using a 110 style impact tool, seat the wires into the IDC slots. (Must be 1/4" or closer.) Use the cutting side of the tool to trim the excess wire flush with the connector body as you punch the wires down.
5. Place the dust cap over the terminated wires to ensure a secure connection and added strain relief.



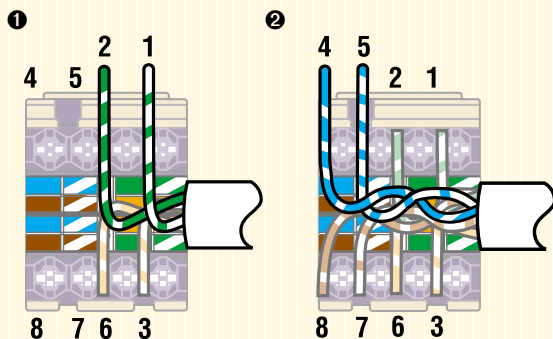
6. Noting the 'UP' orientation of the connector, insert the terminated connector into the desired QuickPort housing.

## eXtreme 6 Wiring Scheme

### Cable Entry from Left



### Cable Entry from Right



**As noted above: Route and terminate one pair at a time to avoid cable damage.**

### eXtreme 6 Inside Wire Colors

| Wiring Standard |              |              |              |
|-----------------|--------------|--------------|--------------|
| Pin#            | T568A        | T568B        |              |
| 5               | White/Blue   | White/Blue   | White/Blue   |
| 4               | Blue/White   | Blue/White   | Blue/White   |
| 3               | White/Orange | White/Green  | White/Orange |
| 6               | Orange/White | Green/White  | Orange/White |
| 1               | White/Green  | White/Orange | White/Green  |
| 2               | Green/White  | Orange/White | Green/White  |
| 7               | White/Brown  | White/Brown  | White/Brown  |
| 8               | Brown/White  | Brown/White  | Brown/White  |

### T568A and T568B Wiring

#### What's the difference between T568A and T568B wiring?

T568A and T568B are the two wiring standards for an 8-position modular connector, permitted under the TIA-568-A wiring standards document. The only difference between T568A and T568B is that the orange and green wire pairs (pairs two and three) are interchanged. For a wiring diagram, see page X8.

#### How to decide which wiring pattern to use:

1. Does the job specification call out a wiring pattern?
2. Does the customer/end user have a preference?
3. Have patch panels already been purchased for the job? If so, they will probably be either T568A or T568B. Jacks should be wired to the same pattern as the panels.
4. Are you adding on to existing wiring? If so, your new wiring should match existing wiring.

If none of the factors above apply, either T568A or T568B may be used. It is important to ensure that workstation connectors and patch panels are wired to the same pattern. T568B is commonly used in commercial installations, while T568A is prevalent in residential installations.